

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 –17 (Canceled).

18. (Previously Presented) An automatic urine disposal device comprising  
a urine receptacle having

an outer sheet having a substantially rectangular shape and having a U-shaped cross-section, having a width at the middle portion in the longitudinal direction being narrow, so that it is shaped like an hourglass, and having a gather provided along its periphery, formed of a liquid-impermeable and non-breathable thin sheet made of soft flexible materials and accommodating a urine absorbent material for storing urine; and

a top sheet formed as a liquid-permeable and hard-breathable non-woven fabric, covering a top surface of said urine absorbent material and keeping said urine absorbent material highly airtight as well as said outer sheet,

a sealed urine tank;

a urine drainage tube for discharging urine from said urine absorbent material to said urine tank, and made of soft flexible materials;

a vacuum pump for decreasing air pressure in said urine tank; and

a urine sensor provided along said urine drainage tube and electrically conductive in responsive to detecting a urination on the vicinity of one end of said urine drainage tube,

wherein

urine is absorbed into said urine absorbent material through a hole on said top sheet upon wearer's urination,

said urine sensor detects wearer's urination and initiates said vacuum pump, and

said urine is discharged from said urine absorbent material through said urine tube to said urine tank.

19. (Previously Presented) An automatic urine disposal device of claim 18, wherein

said top sheet is made of non-woven fabric blended with cotton and polypropylene and polyolefin polyester.

20. (Previously Presented) An automatic urine disposal device according to claim 18, wherein said top sheet has a breathability measured according to the General Textile Testing Method's breathability testing method A prescribed in JIS L 1096, 6.27.1 from 0 to 50 cm<sup>3</sup>/cm<sup>2</sup>/second when said top sheet is moist and from 20 to 100 cm<sup>3</sup>/cm<sup>2</sup>/second when said top sheet is dry.

21. (Previously Presented) An automatic urine disposal device according to claim 18, wherein said top sheet has a breathability measured according to the General Textile Testing Method's breathability testing method A prescribed in JIS L 1096, 6.27.1 from 0 to 50 cm<sup>3</sup>/cm<sup>2</sup>/second when said top sheet is moist and from 20 to 50 cm<sup>3</sup>/cm<sup>2</sup>/second when said top sheet is dry.

22. (Previously Presented) A urine receptacle comprising  
an outer sheet having a substantially rectangular shape and having a U-shaped cross-section, having a width at the middle portion in the longitudinal direction being narrow, so that it is shaped like an hourglass, and having a gather provided along its periphery, formed of a liquid-impermeable and non-breathable thin

sheet made of soft flexible materials and accommodating a urine absorbent material for storing urine; and

a top sheet formed as liquid-permeable and hard-breathable non-woven fabric, covering a top surface of said urine absorbent material and keeping said urine absorbent material highly airtight as well as said outer sheet,

a urine drainage tube for discharging urine from said urine absorbent material to said urine tank, and made of soft flexible materials; and

having

a vacuum pump for decreasing air pressure in said urine tank; and

a urine sensor provided along said urine drainage tube and electrically conductive in responsive to detecting a urination on the vicinity of one end of said urine drainage tube,

wherein

urine is absorbed into said urine absorbent material through a hole on said top sheet upon wearer's urination, and

said urine sensor detects wearer's urination and initiates said vacuum pump.

23. (Previously Presented) A urine receptacle according to claim 22, wherein said top sheet has a breathability measured according to the General Textile Testing Method's breathability testing method A prescribed in JIS L 1096, 6.27.1 from 0 to 50  $\text{cm}^3/\text{cm}^2/\text{second}$  when said top sheet is moist and from 20 to 100  $\text{cm}^3/\text{cm}^2/\text{second}$  when said top sheet is dry.

24. (Previously Presented) A urine receptacle according to claim 22, wherein said top sheet has a breathability measured according to the General Textile Testing Method's breathability testing method A prescribed in JIS L 1096, 6.27.1 from 0 to 50

$\text{cm}^3/\text{cm}^2/\text{second}$  when said top sheet is moist and from 20 to 50  $\text{cm}^3/\text{cm}^2/\text{second}$  when said top sheet is dry.